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Subject: Today in Separation Science - GC & MS Solutions


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Update

GC & MS Solutions

- GC Solutions- *How do I Determine Limits of Detection and Quantification?*
- MS Solutions- *AMD/IS – Developing Libraries*
- Featured Applications
- Featured Webinars



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GC SOLUTIONS

Separation Science 'GC Solutions' is the premier online resource for GC and GC/MS users. Covering GC method fundamentals, practicalities and troubleshooting it offers chromatographers and analytical chemists a genuine e-learning platform and searchable archive resource.

Issue 25
How do I Determine Limits of Detection and Quantification?
I received this question from Ask the Doctor . "I am doing some research trying to quantify an illicit drug using external calibration and I was wondering if you could help me understand the best way I can obtain my limit of detection and quantification? I was unable to run blank samples. Is that the only way? Really confused."
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MS SOLUTIONS

Separation Science 'MS Solutions' is the premier online resource for analytical scientists working with mass spectrometry. Covering MS method fundamentals, practicalities and troubleshooting it offers chromatographers and analytical chemists a genuine e-learning platform and searchable archive resource.

Issue 23
AMD/IS – Developing Libraries
For AMD/IS to be as effective as possible, it is essential to have high quality target libraries. These can either come from standards taken with the same instrument that the data is analysed on or from the NIST library. In this article the development of libraries from experimental data is discussed.
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FEATURED APPLICATIONS

Derivatization Reagents For Selective Response and Detection in Complex Matrices
Company: Sigma Aldrich / Supelco
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Enhancing the development of low-emitting products and materials
Company: Markes
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Improved Sensitivity and Dynamic Range Using the Clarus SQ 8 GC/MS System for EPA Method 8270D Semi-Volatile Organic Compound Analysis
Company: PerkinElmer
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Improved Resolution of Triazine Herbicides with Kinetex® Core-Shell HPLC/UHPLC Columns and Zebtron™ GC Columns
Company: Phenomenex
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Selective Detection Using Neutral Loss Scan in GC-MS/MS
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The Use of Micro Flow UHPLC in Pesticide Screening of Food Samples by LC-MS/MS
Company: AB Sciex
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Screening 36 Veterinary Drugs in Animal Origin Food by LC/MS/MS Combined with Modified QuEChERS Method
Company: Agilent Technologies
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Extraction of a Range of Immunosuppressants From Whole Blood Using ISOLUTE SLE+ for LC-MS/MS Analysis
Company: Biotage

ON DEMAND WEBINARS

Making the Undetectable Detectable — Derivatization in GC Analysis
Presenter: Ruth Lewis
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Pesticide Screener: A Comprehensive Approach to Multi-Target Pesticide Screening Using LC- Time-of-Flight Mass Spectrometry
Presenter: George McLeod
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Using Variations in Solid Core Particle Diameter and Pore Size to Improve UHPLC and HPLC Separations
Presenter: Stephen Luke
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Emerging Technologies, Low- & No-Prep Methods for Rapid MS Analyses in Juices
Presenter: Courtney Phillips
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Fast LC Method Development Using Superficially Porous Particle Columns
Presenter: John Dolan
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I Need to Analyze Emerging Food Contaminants - A Guide to Developing Robust, Reliable, Fast, and Accurate Methods for Food Safety Testing
Presenters: Sky Countryman & André Schreiber
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**Interlaboratory Tests Demonstrate the Robustness
and Transferability of the Toxtyper Workflow**
Company: Bruker
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